Refine Search

Search Results -

Terms	Documents
(unique$ with url) and ((identif$ or id) with image) and upc	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L17

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Sunday, December 26, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			
L17	(unique$ with url) and ((identif$ or id) with image) and upc	0	L17
DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR			
L16	L13 and (unique$ with url) and ((identif$ or id) with image)	1	L16
L15	L13 and (unique$ same (upc with imag$))	0	L15
L14	L13 and (unique$ same (url with imag$))	0	L14
L13	6625581.pn.	1	L13
L12	L10 and (unique$ same (url with imag$))	1	L12
L11	L10 and (unique$ same (upc with imag$))	0	L11
L10	6154738.pn.	1	L10
L9	L8 not l7	2	L9
L8	L6 and (id$ with number$ with image)	2	L8
L7	L6 and (upc with imag$)	1	L7
L6	L5 and (unique$ with url) and (identif$ or id)	6	L6
L5	L4 and l1	26	L5

L4	L3 or l2	1909	L4
L3	235/435,426.07.ccls.	239	L3
L2	705/26,1.ccls.	1670	L2
L1	url and upc and image and ad<=20000330	136	L1

END OF SEARCH HISTORY

L9: Entry 1 of 2 File: USPT Jul 9, 2002

US-PAT-NO: 6418441
DOCUMENT-IDENTIFIER: US 6418441 B1

TITLE: Methods and apparatus for disseminating product information via the internet using universal product codes

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Call; Charles G.	Boston	MA	02115	

APPL-NO: 09/ 621662 [PALM]
DATE FILED: July 24, 2000

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This is a division of U.S. application Ser. No. 09/316,597 filed on May 21, 1999 (now U.S. Pat. No. 6,154,738 issued on Nov. 28, 2000, the disclosure of which is hereby incorporated by reference) which is a continuation in part of U.S. application Ser. No. 09/049,426 filed on Mar. 27, 1998 entitled "Methods and Apparatus for Disseminating Product Information via the Internet" (now U.S. Pat. No. 5,913,210 issued on Jun. 15, 1999, the disclosure of which is hereby incorporated by reference).

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 707/10; 707/513, 705/23, 705/26, 709/201, 709/213, 709/217, 709/249
US-CL-CURRENT: 707/10; 705/23, 705/26, 709/201, 709/213, 709/217, 709/249, 715/513

FIELD-OF-SEARCH: 707/4, 707/3, 707/10, 707/513, 705/23, 705/26, 705/20, 709/201, 709/217, 709/213, 709/249

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5918214	June 1999	Perkowski	705/27
☐	5950173	September 1999	Perkowski	705/26
☐	6064979	May 2000	Perkowski	705/26
☐	6068188	May 2000	Knowles	235/462.01
	6092069	July 2000	Johnson et al.	707/100

☐				
☐	6119944	September 2000	Mulla et al.	235/472.03
☐	6151624	November 2000	Teare et al.	709/217
☐	6199048	March 2001	Hudetz et al.	705/23

ART-UNIT: 2177

PRIMARY-EXAMINER: Homere; Jean R.

ABSTRACT:

Methods and apparatus for disseminating over the Internet product information produced and maintained by product manufacturers using existing universal product codes (bar codes) as access keys. A cross-referencing resource, which may take the form of an independent HTTP server, an LDAP directory server, or the existing Internet Domain Name Service (DNS), receives Internet request messages containing all or part of a universal product code and returns the Internet address at which information about the identified product, or the manufacturer of that product, may be obtained. By using preferred Web data storage formats which conform to XML, XLS, XLink, Xpointer and RDF specifications, product information may be seamlessly integrated with information from other sources. A "web register" module can be employed to provide an Internet interface between a shared sales Internet server and an otherwise conventional inventory control system, and operates in conjunction with the cross-referencing server to provide detailed product information to Internet shoppers who may purchase goods from existing stores via the Internet.

17 Claims, 8 Drawing figures

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L19: Entry 1 of 1 File: USPT Sep 23, 2003

DOCUMENT-IDENTIFIER: US 6625581 B1
TITLE: METHOD OF AND SYSTEM FOR ENABLING THE ACCESS OF CONSUMER PRODUCT RELATED INFORMATION AND THE PURCHASE OF CONSUMER PRODUCTS AT POINTS OF CONSUMER PRESENCE ON THE WORLD WIDE WEB (WWW) AT WHICH CONSUMER PRODUCT INFORMATION REQUEST (CPIR) ENABLING SERVLET TAGS ARE EMBEDDED WITHIN HTML-ENCODED DOCUMENTS

Detailed Description Text (116):
One alternative technique would be to embed within the CPIR-enabling Applet, a thumb-nail or large size photo-image of the consumer product being offered for sale, lease, auction, or other purpose on the WWW. Notably, this product image any reside on the RDBMS server 9, or on the http server from which the HTML -encoded document is served. Using this technique, the consumer need only click on the image to initiate a UPN-directed consumer product information search against the UPN/URL Database Management Subsystem 9 hereof.

Detailed Description Text (161):
It is understood, however, that other techniques may be used to create a visual indication to the consumer that a CPIR-enabling Applet is located at a particular point on the WWW and that if this Applet is executed (e.g. by a single mouse-clicking operation), then a UPN-directed consumer product information search will be automatically executed and the results therefrom will be displayed within a Java GUI at that point of presence. One alternative technique would be to embed the CPIR-enabling Applet within a thumb-nail or large size photo-image of the consumer product being offered for sale, lease, auction, or other purpose on the WWW. Using this technique, the consumer need only click on the image to initiate a UPN-directed consumer product information search on the IPI Registrant Database (e.g. RDBMS Server 9) of the system.

L20: Entry 1 of 2 File: USPT Sep 23, 2003

DOCUMENT-IDENTIFIER: US 6625581 B1
TITLE: METHOD OF AND SYSTEM FOR ENABLING THE ACCESS OF CONSUMER PRODUCT RELATED INFORMATION AND THE PURCHASE OF CONSUMER PRODUCTS AT POINTS OF CONSUMER PRESENCE ON THE WORLD WIDE WEB (WWW) AT WHICH CONSUMER PRODUCT INFORMATION REQUEST (CPIR) ENABLING SERVLET TAGS ARE EMBEDDED WITHIN HTML-ENCODED DOCUMENTS

Detailed Description Text (375):
The UPC REQUEST.TM. System will generate revenue from at least four sources: Manufacturer Fees paid by manufacturers who want to register their products and product-related web pages with the UPC REQUEST.TM. Database; Retailer Fees paid by retailers who want to provide bar code driven access to the UPC REQUEST.TM. System in retail stores; Sponsor Fees paid by Sponsors of the UPC REQUEST.TM. System; and Advertiser Fees paid by advertisers on the UPC REQUEST.TM. Central Website.

First Hit Fwd Refs Previous Doc Next Doc Go to Doc#

End of Result Set

☐ Generate Collection Print

L20: Entry 2 of 2 File: USPT Nov 28, 2000

DOCUMENT-IDENTIFIER: US 6154738 A
TITLE: Methods and apparatus for disseminating product information via the internet using universal product codes

Detailed Description Text (130):
Although customers would often benefit from the convenience of reviewing and ordering products from a local reseller, individual retail stores and smaller, local chains have typically been unable to justify the cost of creating and maintaining a web sales system. In addition to the substantial cost of installing and maintaining the needed hardware and software, the website owner must expend significant effort to create and periodically update the product descriptions which customers require in order to make informed purchases. The annual cost of operating a merchant website often far exceeds the revenue which the local merchant would derive from the limited probable volume of online sales.

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L9: Entry 2 of 2 File: USPT Nov 28, 2000

US-PAT-NO: 6154738
DOCUMENT-IDENTIFIER: US 6154738 A

TITLE: Methods and apparatus for disseminating product information via the internet using universal product codes

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Call; Charles Gainor	Boston	MA	02115	

APPL-NO: 09/ 316597 [PALM]
DATE FILED: May 21, 1999

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This is a continuation in part of U.S. application Ser. No. 09/049,426 filed on Mar. 27, 1998 and entitled "Methods and Apparatus for Disseminating Product Information via the Internet", now U.S. Pat. No. 5,913,210.

INT-CL: [07] G06 F 15/173

US-CL-ISSUED: 707/4; 707/513, 707/3, 707/10, 705/20, 705/23, 705/26, 709/201, 709/213, 709/217, 709/249
US-CL-CURRENT: 707/4; 705/20, 705/23, 705/26, 707/10, 707/3, 709/201, 709/213, 709/217, 709/249, 715/513

FIELD-OF-SEARCH: 707/10, 707/4, 707/3, 707/513, 707/524, 705/20, 705/23, 705/26, 395/200.31, 709/201, 709/213, 709/217, 709/249

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5794221	August 1998	Egendorf	705/40
☐	5804803	September 1998	Cragun et al.	235/375
☐	5918214	June 1999	Perkowski	705/27
☐	5950173	September 1999	Perkowski	705/26

☐ 6045048 April 2000 Wilz, Sr. et al. 235/472.01

ART-UNIT: 277

PRIMARY-EXAMINER: Homere; Jean R.

ABSTRACT:

Methods and apparatus for disseminating over the Internet product information produced and maintained by product manufacturers using existing universal product codes (bar codes) as access keys. A cross-referencing resource, which may take the form of an independent HTTP server, an LDAP directory server, or the existing Internet Domain Name Service (DNS), receives Internet request messages containing all or part of a universal product code and returns the Internet address at which information about the identified product, or the manufacturer of that product, may be obtained. By using preferred Web data storage formats which conform to XML, XLS, XLink, Xpointer and RDF specifications, product information may be seamlessly integrated with information from other sources. A "web register" module can be employed to provide an Internet interface between a shared sales Internet server and an otherwise conventional inventory control system, and operates in conjunction with the cross-referencing server to provide detailed product information to Internet shoppers who may purchase goods from existing stores via the Internet.

14 Claims, 8 Drawing figures

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L9: Entry 1 of 2 File: USPT Jul 9, 2002

US-PAT-NO: 6418441
DOCUMENT-IDENTIFIER: US 6418441 B1

TITLE: Methods and apparatus for disseminating product information via the internet using universal product codes

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Call; Charles G.	Boston	MA	02115	

APPL-NO: 09/ 621662 [PALM]
DATE FILED: July 24, 2000

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This is a division of U.S. application Ser. No. 09/316,597 filed on May 21, 1999 (now U.S. Pat. No. 6,154,738 issued on Nov. 28, 2000, the disclosure of which is hereby incorporated by reference) which is a continuation in part of U.S. application Ser. No. 09/049,426 filed on Mar. 27, 1998 entitled "Methods and Apparatus for Disseminating Product Information via the Internet" (now U.S. Pat. No. 5,913,210 issued on Jun. 15, 1999, the disclosure of which is hereby incorporated by reference).

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 707/10; 707/513, 705/23, 705/26, 709/201, 709/213, 709/217, 709/249
US-CL-CURRENT: 707/10; 705/23, 705/26, 709/201, 709/213, 709/217, 709/249, 715/513

FIELD-OF-SEARCH: 707/4, 707/3, 707/10, 707/513, 705/23, 705/26, 705/20, 709/201, 709/217, 709/213, 709/249

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5918214	June 1999	Perkowski	705/27
☐	5950173	September 1999	Perkowski	705/26
☐	6064979	May 2000	Perkowski	705/26
☐	6068188	May 2000	Knowles	235/462.01
	6092069	July 2000	Johnson et al.	707/100

☐				
☐	6119944	September 2000	Mulla et al.	235/472.03
☐	6151624	November 2000	Teare et al.	709/217
☐	6199048	March 2001	Hudetz et al.	705/23

ART-UNIT: 2177

PRIMARY-EXAMINER: Homere; Jean R.

ABSTRACT:

Methods and apparatus for disseminating over the Internet product information produced and maintained by product manufacturers using existing universal product codes (bar codes) as access keys. A cross-referencing resource, which may take the form of an independent HTTP server, an LDAP directory server, or the existing Internet Domain Name Service (DNS), receives Internet request messages containing all or part of a universal product code and returns the Internet address at which information about the identified product, or the manufacturer of that product, may be obtained. By using preferred Web data storage formats which conform to XML, XLS, XLink, Xpointer and RDF specifications, product information may be seamlessly integrated with information from other sources. A "web register" module can be employed to provide an Internet interface between a shared sales Internet server and an otherwise conventional inventory control system, and operates in conjunction with the cross-referencing server to provide detailed product information to Internet shoppers who may purchase goods from existing stores via the Internet.

17 Claims, 8 Drawing figures

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L7: Entry 1 of 1 File: USPT Sep 23, 2003

US-PAT-NO: 6625581
DOCUMENT-IDENTIFIER: US 6625581 B1

TITLE: METHOD OF AND SYSTEM FOR ENABLING THE ACCESS OF CONSUMER PRODUCT RELATED INFORMATION AND THE PURCHASE OF CONSUMER PRODUCTS AT POINTS OF CONSUMER PRESENCE ON THE WORLD WIDE WEB (WWW) AT WHICH CONSUMER PRODUCT INFORMATION REQUEST (CPIR) ENABLING SERVLET TAGS ARE EMBEDDED WITHIN HTML-ENCODED DOCUMENTS

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perkowski; Thomas J.	Darien	CT		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
IPF, Inc.	Stamford	CT			02

APPL-NO: 09/ 447121 [PALM]
DATE FILED: November 22, 1999

PARENT-CASE:
RELATED CASES This Application is a Continuation-in-Part of Application 09/441,973 filed Nov. 17, 1999; which is a Continuation-in-Part of application Ser. No. 09/284,917 filed Jun. 25, 1999 which was entered into the U.S. on Apr. 21, 1999 which is a National Stage Entry Application from International Application No. PCT/US97/19227 filed Oct. 27, 1997, published as WIPO Publication No. WO 98/19259 on May 7, 1998; as well as a Continuation-in-Part of the following U.S. applications: Ser. No. 08/736,798 filed Oct. 25, 1996, now U.S. Pat. No. 5,918,214; Ser. No. 08/752,136 filed Nov. 19, 1996, now U.S. Pat. No. 6,064,979; Ser. No. 08/826,120 filed Mar. 27, 1997; U.S. Pat. No. 08/854,877 filed May 12, 1997, now U.S. Pat. No. 5,950,173; Ser. No. 08/871,815 filed Jun. 9, 1997, now abandoned; and U.S. Ser. No. 08/936,375 filed Sep. 24, 1997, each said Application is commonly owned by IPF, Inc., and is incorporated herein by reference in its entirety as if fully set forth herein.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	6-107574	April 22, 1994
FR	96 12524	October 6, 1996

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/27; 705/26, 705/14, 709/200, 709/245
US-CL-CURRENT: 705/27; 705/14, 705/26, 709/200, 709/245

FIELD-OF-SEARCH: 705/26, 705/27

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL | Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4654482	March 1987	DeAngelis	
☐	4775935	October 1988	Yourick	
☐	4841132	June 1989	Kajitani et al.	
☐	5029104	July 1991	Dodson et al.	
☐	5264822	November 1993	Vogelman et al.	
☐	5288976	February 1994	Citron et al.	
☐	5307456	April 1994	MacKay	
☐	5319542	June 1994	King, Jr. et al.	
☐	5333237	July 1994	Stefanopoulos et al.	
☐	5355472	October 1994	Lewis	
☐	5398336	March 1995	Tantry et al.	
☐	5448046	September 1995	Swartz	
☐	5524195	June 1996	Clanton et al.	
☐	5528490	June 1996	Hill	
☐	5532735	July 1996	Blahut et al.	
☐	5572643	November 1996	Judson	
☐	5583560	December 1996	Florin et al.	
☐	5592378	January 1997	Cameron et al.	
☐	5594509	January 1997	Florin et al.	
☐	5612527	March 1997	Ovadia	
☐	5635694	June 1997	Tuhro	
☐	5640193	June 1997	Wellner	
☐	5715444	February 1998	Danish et al.	
☐	5721827	February 1998	Logan et al.	
☐	5724521	March 1998	Dedrick	
☐	5737619	April 1998	Judson	
☐	5737739	April 1998	Shirley et al.	
☐	5740549	April 1998	Reilly et al.	
☐	5742768	April 1998	Gennaro et al.	
☐	5761071	June 1998	Bernstein et al.	

☐	5804803	September 1998	Cragun et al.	235/275
☐	5841978	November 1998	Rhoads	
☐	5854897	December 1998	Radziewicz et al.	
☐	5864823	January 1999	Levitan	
☐	5869819	February 1999	Knowles et al.	
☐	5890175	March 1999	Wong et al.	
☐	5897622	April 1999	Blinn et al.	
☐	5902353	May 1999	Reber et al.	709/219
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☐	5905248	May 1999	Russell et al.	235/462
☐	5905251	May 1999	Knowles	
☐	5913040	June 1999	Rakavy et al.	
☐	5913210	June 1999	Call	
☐	5918213	June 1999	Bernard et al.	
☐	5918214	June 1999	Perkowski	
☐	5930767	July 1999	Reber et al.	
☐	5933811	August 1999	Angles et al.	
☐	5933829	August 1999	Durst et al.	
☐	5937390	August 1999	Hyodo	
☐	5937392	August 1999	Alberts	
☐	5938726	August 1999	Reber et al.	
☐	5940074	August 1999	Britt et al.	
☐	5940595	August 1999	Reber et al.	
☐	5946646	August 1999	Schena et al.	
☐	5948061	September 1999	Merriman et al.	
☐	5950173	September 1999	Perkowski	
☐	5957695	September 1999	Redford et al.	
☐	5959623	September 1999	van Hoff et al.	
☐	5960411	September 1999	Hartman et al.	
☐	5963916	October 1999	Kaplan	
☐	5964836	October 1999	Rowe et al.	
☐	5966696	October 1999	Giraud	
☐	5969324	October 1999	Reber et al.	235/462.13
☐	5971277	October 1999	Cragun et al.	
☐	5978773	November 1999	Hudetz et al.	
☐	5979757	November 1999	Tracy et al.	235/383
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☐				
☐	5995105	November 1999	Reber et al.	345/356
☐	5996007	November 1999	Klug et al.	
☐	5999912	December 1999	Wodarz et al.	
☐	5999914	December 1999	Blinn et al.	
☐	6009407	December 1999	Garg	
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☐	6012083	January 2000	Savitzky et al.	
☐	6012102	January 2000	Shachar	
☐	6027024	February 2000	Knowles	
☐	6032195	February 2000	Reber et al.	
☐	6035332	March 2000	Ingrassia, Jr. et al.	
☐	6038545	March 2000	Mandeberg et al.	
☐	6044218	March 2000	Faustini	
☐	6045048	April 2000	Wilz, Sr. et al.	
☐	6061659	May 2000	Murray	
☐	6064979	May 2000	Perkowski	
☐	6065024	May 2000	Renshaw	
☐	6078848	June 2000	Bernstein et al.	
☐	6081827	June 2000	Reber et al.	
☐	6091411	July 2000	Straub et al.	
☐	6094673	July 2000	Dilip et al.	
☐	6108656	August 2000	Durst et al.	
☐	6119165	September 2000	Li et al.	
☐	6125388	September 2000	Reisman	
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☐	6138151	October 2000	Reber et al.	
☐	6141666	October 2000	Tobin	
☐	6152369	November 2000	Wilz et al.	
☐	6154738	November 2000	Call	
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☐	6199048	March 2001	Hudetz et al.	
☐	6213394	April 2001	Schumacher et al.	
☐	6314451	November 2001	Landsman et al.	
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☐	6448979	September 2002	Schena et al.	
☐	2001/0033225	October 2001	Razavi et al.	340/425.5

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O 822 535	February 1998	EP	
0 837 406	April 1998	EP	
O 856 812	May 1998	EP	
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WO 96/30864	October 1996	WO	
WO 97/01137	January 1997	WO	
WO 97/07656	March 1997	WO	
WO 97/21183	June 1997	WO	
WO 97/37319	October 1997	WO	
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WO 98/21679	May 1998	WO	
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U.S. patent application Ser. No. 08/691,263, Swift et al., filed Jan. 1, 2000.
Product brochure for the Open AdStream System (OAS) by Real Media, 1995, pp. 1-9.
Product brochure entitled "The Catalog" (1996) by QuickResponse Services Corporation, www.qrs.com, pp. 1-2.
Operating manual for the QRS Keystone for Vendors (1996) by QRS Corporation, www.qrs.com, pp. 1-126.
Operating manual for the QRS Keystone for Retailers (1996) by QRS Corporation, www.qrs.com, pp. 1-115.
Web-based product brochure for the Synclink Item Catalog by Vialink, Inc., http://www.vialink.com/products/products-catalog.html, 1 page.
Excerpts from the web-based publication entitled "Introduction to JDBC.TM." by JavaSoft, circa 1999, http://java.sun.com/docs/books/dbc/intro.html, pp. 1-4.
Scientific article entitled "Animating the Ad" by Mark Gimein, The Industry Standard, Feb. 22-Mar. 1, 1999, pp. 1-6.
Web-based product brochure for "Home Network Enliven Services" by Enliven Services, http://www.enliven.com/products/prodinfo.htm, 1999, pp. 1-8.
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ABSTRACT:

Method of and system for delivering consumer product related information to consumers over the Internet. The system and method involves creating an UPN-encoded Consumer Product Information (CPIR) enabling Applet for each consumer product registered within a manufacturer-managed UPN/URL database management system. Each CPIR-enabling Applet is encapsulated within an executable file and then stored in the UPN/URL database management system. Each CPIR-enabling Applet is searchable and downloadable by, for example, (1) retailers purchasing products from an electronic-commerce enabled product catalog, (2) advertisers desiring to link consumer product information to Web-based product advertisements, or (3) anyone having a legitimate purpose of disseminating such information within the stream of electronic commerce. After downloading and extraction from its encapsulating file, the CPIR-enabling Applet is embedded within an HTML-encoded document associated with, for example, an EC-enabled store, on-line auction site, product advertisement, Internet search engine or directory, and the like. Upon encountering such an Applet-encoded HTML document on the WWW, the consumer need only perform a single mouse-clicking operation to automatically execute the underlying CPIR-enabling Applet (on either the client or server side of the network), causing a UPN-directed search to be performed against the manufacturer-defined UPN/URL Database, and the results thereof displayed in an independent Java GUI, without disturbing the consumer's point of presence on the WWW. Preferably, the CPIR-enabling Applets are realized using Java.TM. technology, although it is understood that alternative technologies can be used to practice the system and methods of the present invention.

28 Claims, 78 Drawing figures

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